

Title (en)
SINTERED COMPACT AND CUTTING TOOL

Title (de)
GESINTERTER PRESSLING UND SCHNEIDWERKZEUG

Title (fr)
COMPACT FRITTÉ ET OUTIL DE COUPE

Publication
EP 2735556 B1 20190904 (EN)

Application
EP 12815313 A 20120706

Priority
• JP 2011157624 A 20110719
• JP 2012004403 W 20120706

Abstract (en)
[origin: US2013236259A1] A sintered body containing alumina crystal particles and zirconia crystal particles as main components includes the tetragonal crystal particles as the zirconia crystal particles. The zirconia crystal particles satisfy relations $0\% \leq A \leq 3\%$, $3\% \leq B \leq 22\%$ and $77\% \leq C \leq 96\%$, where A, B and C are as defined herein.

IPC 8 full level
C04B 35/10 (2006.01); **B23B 27/14** (2006.01); **B23C 5/16** (2006.01); **C04B 35/622** (2006.01)

CPC (source: EP KR US)
B23B 27/148 (2013.01 - US); **B23C 5/16** (2013.01 - KR); **C04B 35/10** (2013.01 - KR); **C04B 35/106** (2013.01 - KR); **C04B 35/119** (2013.01 - EP US); **C04B 35/4885** (2013.01 - EP US); **C04B 35/622** (2013.01 - KR); **C04B 35/62695** (2013.01 - EP US); **C04B 35/6455** (2013.01 - EP US); **C04B 2235/3208** (2013.01 - EP US); **C04B 2235/3225** (2013.01 - EP US); **C04B 2235/3262** (2013.01 - EP US); **C04B 2235/3418** (2013.01 - EP US); **C04B 2235/72** (2013.01 - EP US); **C04B 2235/765** (2013.01 - EP US); **C04B 2235/785** (2013.01 - EP US); **C04B 2235/85** (2013.01 - EP US); **C04B 2235/96** (2013.01 - EP US); **Y10T 407/27** (2015.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2013236259 A1 20130912; **US 8889577 B2 20141118**; CN 103189332 A 20130703; CN 103189332 B 20140806;
EP 2735556 A1 20140528; EP 2735556 A4 20141203; EP 2735556 B1 20190904; JP 5174291 B1 20130403; JP WO2013011650 A1 20150223;
KR 101335866 B1 20131202; KR 20130038424 A 20130417; WO 2013011650 A1 20130124

DOCDB simple family (application)
US 201213879724 A 20120706; CN 201280003538 A 20120706; EP 12815313 A 20120706; JP 2012004403 W 20120706;
JP 2012544351 A 20120706; KR 20137008358 A 20120706